

PAT-NO: JP402281959A
DOCUMENT-IDENTIFIER: JP 402281959 A
TITLE: METHOD FOR ADJUSTING PERFORMANCE OF
PRINthead BY INK VISCOSITY ADJUSTMENT
PUBN-DATE: November 19, 1990

INVENTOR-INFORMATION:

NAME	COUNTRY
NIELSEN, NIELS J	N/A
OTIS, DAVID R JR	N/A
BERGSTEDT, DONALD B	N/A
TRUEBA, KENNETH E	N/A
HART, ARTHUR R	N/A
KNIGHT, WILLIAM R	N/A

ASSIGNEE-INFORMATION:

NAME	COUNTRY
HEWLETT PACKARD CO <HP>	N/A

APPL-NO: JP02075365

APPL-DATE: March 23, 1990

PRIORITY-DATA: 89329218 (March 27, 1989)

INT-CL (IPC): B41J002/175, B41J002/01 , B41J002/05

ABSTRACT:

PURPOSE: To increase a small droplet stability in a pen by adjusting a viscosity of a fluid to be injected, and controlling an attenuation amount at a supply port of an ink jet printhead.

CONSTITUTION: Many nozzles 12 are disposed in recesses of individual

recesses 13 of a nozzle plate 10, and an ink 14 is injected from a resistor toward a printing medium via a nozzle of a specific disposition. The one resistor is attached to the each nozzle 12, and the ink is supplied to a feeding chamber. When a pulse-like energy is received from an external supply source, the resistor 18 is heated to a sufficient level of injecting the ink 14 droplet to the medium. Here, a barrier layer 20 made of a 'Vacrel' and the plate 10 made of a gold plating nickel are used for the printhead. Thus, as the ink viscosity is increased, drop stability of the pin is improved.

COPYRIGHT: (C)1990, JPO